

REMARKS

Applicants request the above amendments to correct typographical errors noted in the present application. The amendments raise no new issues.

The amendment on page 2, line 7 of the specification corrects a typographical error in the recited mathematical relationship by replacing “ τ ” with “ τ^2 ”. This amendment is fully supported by the specification, for example, by the two numerical examples given in the paragraph. According to the first example, if $\tau = 20$ ps and $\beta \sim 20$ ps² / km, then the fibre length is 80 km. This fibre length value is not obtained using the pre-amendment relationship, $\beta // \tau \sim 4$, because $(20)(80) / 20 = 80$ rather than 4.

Accordingly, it is clear that the correct equation is $\beta // \tau^2 \sim 4$, which yields $(20)(80) / 20^2 = 4$. The amendment also yields the proper the units for the relationship, with $(\text{ps}^2/\text{km})(\text{km}) / (\text{ps}^2)$ giving a unitless parameter, such as 4, as disclosed. Likewise, the second example – $(1\text{ps}^2/\text{km})(1600 \text{ km}) / (20\text{ps})^2 = 4$ – supports the amendment of “ τ ” to “ τ^2 ”.

The amendment on page 2, line 28 of the specification is similar and follows from the amendment at line 7. In addition, the units of the disclosed pulse duration (ps) do not equal the disclosed $(\text{ps}^2/\text{km})(\text{km})$, but rather the square root thereof. This correction is also made in claim 42 for the same reasons.

The amendment on page 6, line 13 of the specification similarly corrects τ_{FWHM} to τ_{FWHM}^2 . The correction is consistent with the expression for the unitless parameter S

having units, $[(ps^2/km)(km) - (ps^2/km)(km)] / (ps)^2$, that cancel. The parameter S is disclosed as unitless on page 7, line 10 and page 8, line 17.

In view of the foregoing, Applicants respectfully request consideration of this amendment prior to initial examination of the present application.

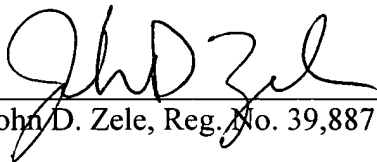
If there are any other fees due in connection with the filing of this Preliminary Amendment, please charge the fees to our Deposit Account No. 50-0310. If a fee is required for an extension of time under 37 C.F.R. § 1.136 not accounted for above, such an extension is requested and the fee should also be charged to our Deposit Account.

Respectfully submitted,

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